



# Ender 3 V2 Electronic Box Extension Mainboard Silent fans (v1)

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## Summary

Update - Added additional Model I added an second model with fan grills, i recommend using this newer model as it...

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## Update - Added additional Model

I added an second model with fan grills, i recommend using this newer model as it prints better and you will not end up with the ugly mess that I have around my fan grills.

## Description

Electronics Box for neatly storing electronics under you Ender 3 V2. Used to improve cooling and add silent fans, add additional buck converters, relay or temperature sensor.

The box holds.

2 x Bucks Converters

1 x 5v Relay

1 x DHT22 Sensor

1 x RaspberryPi 4

2 x 40 x 10 mm fans

## Requirements

To use this case you need to extend the height of your feet. I used

<https://www.thingiverse.com/thing:4603075>

Which adds 40mm clearance.

## Why?

I hated the noise of my printer, so I added Noctua 40x20 silent fans to the hotend and part cooling, a Noctua 80mm fan to the PSU. To do the PSU fan I had to raise the printer with the mentioned feet. After that I wanted a place to store all the crap (pi, bucks converter ect) so I made this case.

## Relay?

I use a 5v relay with PSU Control to power my printer. See 4:40 in the below video as to why..

## Future Plans

I was thinking of doing V2 of this, with the fans at the back, if you are interested add a comment to let me know.

## Printing

No supports required, the front fan spaces are a bit messy to print but they do print. you can find fan grills on thingiverse to cover the fans if you so desire.

## Feedback and Makes

I really like getting feedback and despite having thousands of downloads I have only 1 comment and 0 makes!

It really makes a difference and feels great when you leave a comment, like, or collect things to the people who post them, so Please do that for all people as it builds community. Super important in these Covid Times. Even if you do not post things you are still part of the community (in fact you are the majority of the community), so please like, collect and comment!

Please do this for all stuff you download from everybody!

## Print Settings

### Rafts:

No

### Supports:

No

### Resolution:

200

### Infill:

20

**Filament:** Fill3D PLA

Category: 3D Printer Parts

## Model files

**electronicsbox.stl**

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**electronicsbox-withfangrills.stl**

[Find source .stl files on Thingiverse.com](#)

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